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SEQUENCE LISTING

<110> Natbio Pty Ltd
Hawkins, Clifford J (US Only)

<120> A plant extract

<130> 12572860/EJH

<150> AU2004900929

<151> 2004-02-24

<150> AU2004901086

<151> 2004-03-02

<160> 5

<170> PatentIn version 3.1

<210> 1

<211> 221

<212> PRT

<213> Zingiber officinale

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Asp Asp Leu Pro Asp Ser Ile Asp Trp Arg Glu Asn Gly Ala Val Val
1 5 10 15

Pro Val Lys Asn Gln Gly Gly Cys Gly Ser Cys Trp Ala Phe Ser Thr
20 25 30

Val Ala Ala Val Glu Gly Ile Asn Gln Ile Val Thr Gly Asp Leu Ile
35 40 45

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Ser Leu Ser Glu Gln Gln Leu Val Asp Cys Thr Thr Ala Asn His Gly
50 55 60

Cys Arg Gly Gly Trp Met Asn Pro Ala Phe Gln Phe Ile Val Asn Asn
65 70 75 80

Gly Gly Ile Asn Ser Glu Glu Thr Tyr Pro Tyr Arg Gly Gln Asp Gly
85 90 95

Ile Cys Asn Ser Thr Val Asn Ala Pro Val Val Ser Ile Asp Ser Tyr
100 105 110

Glu Asn Val Pro Ser His Asn Glu Gln Ser Leu Gln Lys Ala Val Ala
115 120 125

Asn Gln Pro Val Ser Val Thr Met Asp Ala Ala Gly Arg Asp Phe Gln
130 135 140

Leu Tyr Arg Ser Gly Ile Phe Thr Gly Ser Cys Asn Ile Ser Ala Asn
145 150 155 160

His Ala Leu Thr Val Val Gly Tyr Gly Thr Glu Asn Asp Lys Asp Phe
165 170 175

Trp Ile Val Lys Asn Ser Trp Gly Lys Asn Trp Gly Glu Ser Gly Tyr
180 185 190

Ile Arg Ala Glu Arg Asn Ile Glu Asn Pro Asp Gly Lys Cys Gly Ile
195 200 205

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Thr Arg Phe Ala Ser Tyr Pro Val Lys Lys Gly Thr Asn
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<223> N = any amino acid

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Asp Val Leu Pro Asp Ser Ile Asp Trp Arg Glu Lys Gly Ala Val Val
1 5 10 15

Pro Val Lys Asn Gln Gly Gly Cys Gly Ser Cys Trp Ala Phe Asp Ala
20 25 30

- 4 -

Ile Ala Ala Val Glu Gly Ile Asn Gln Ile Val Thr Gly Asp Leu Ile
35 40 45

Ser Leu Ser Glu Gln Gln Leu Val Asp Cys Ser Thr Arg Asn His Gly
50 55 60

Cys Glu Gly Gly Trp Pro Tyr Arg Ala Phe Gln Tyr Ile Ile Asn Asn
65 70 75 80

Gly Gly Ile Asn Ser Glu Glu His Tyr Pro Tyr Thr Gly Thr Asn Gly
85 90 95

Thr Cys Asp Thr Lys Glu Asn Ala His Val Val Ser Ile Asp Ser Tyr
100 105 110

Arg Asn Val Pro Ser Asn Asp Glu Lys Ser Leu Gln Lys Ala Val Ala
115 120 125

Asn Gln Pro Val Ser Val Thr Met Asp Ala Ala Gly Arg Asp Phe Gln
130 135 140

Leu Tyr Arg Asn Gly Ile Phe Thr Gly Ser Cys Asn Ile Ser Ala Asn
145 150 155 160

His Tyr Arg Thr Val Gly Gly Arg Glu Thr Glu Asn Asp Lys Asp Tyr
165 170 175

Trp Thr Val Lys Asn Ser Trp Gly Lys Asn Trp Gly Glu Ser Gly Tyr

- 5 -

180

185

190

Ile Arg Val Glu Arg Asn Ile Ala Glu Ser Ser Gly Lys Cys Gly Ile
195 200 205

Ala Ile Ser Pro Ser Tyr Pro Ile Lys Glu Xaa Xaa Xaa
210 215 220

<210> 3
<211> 264
<212> PRT
<213> bovine

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Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val Ala
1 5 10 15

Met Trp Ser Asp Val Gly Leu Cys Lys Lys Arg Pro Lys Pro Gly Gly
20 25 30

Gly Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly
35 40 45

Gly Asn Arg Tyr Pro Pro Gln Gly Gly Gly Gly Trp Gly Gln Pro His
50 55 60

Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His
65 70 75 80

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Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His
85 90 95

Gly Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly Gln Trp Asn Lys
100 105 110

Pro Ser Lys Pro Lys Thr Asn Met Lys His Val Ala Gly Ala Ala Ala
115 120 125

Ala Gly Ala Val Val Gly Gly Leu Gly Gly Tyr Met Leu Gly Ser Ala
130 135 140

Met Ser Arg Pro Leu Ile His Phe Gly Ser Asp Tyr Glu Asp Arg Tyr
145 150 155 160

Tyr Arg Glu Asn Met His Arg Tyr Pro Asn Gln Val Tyr Tyr Arg Pro
165 170 175

Val Asp Gln Tyr Ser Asn Gln Asn Asn Phe Val His Asp Cys Val Asn
180 185 190

Ile Thr Val Lys Glu His Thr Val Thr Thr Thr Lys Gly Glu Asn
195 200 205

Phe Thr Glu Thr Asp Ile Lys Met Met Glu Arg Val Val Glu Gln Met
210 215 220

Cys Ile Thr Gln Tyr Gln Arg Glu Ser Gln Ala Tyr Tyr Gln Arg Gly
225 230 235 240

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Ala Ser Val Ile Leu Phe Ser Ser Pro Pro Val Ile Leu Leu Ile Ser
245 250 255

Phe Leu Ile Phe Leu Ile Val Gly
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Pro His Asn Pro Gly Tyr
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<210> 5
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<213> bovine

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Trp Gly Gln Pro His Gly Gly Gly
1 5